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捷多邦,专业PCB打样工厂,24小时加急出货

HSM276SR

Silicon Schottky Barrier Diode for Balanced Mixer



ADE-208-040D (Z) Rev. 4 Aug. 1994

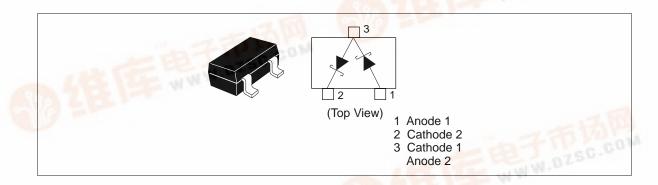
Features

- High forward current, Low capacitance.
- HSM276SR which is interconnected in series configuration is designed for balanced mixer use.
- MPAK package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code	
HSM276SR	C9	MPAK	

Pin Arrangement



Absolute Maximum Ratings ($Ta = 25^{\circ}C$)

Symbol	Value	Unit
V _R	3	V
۱ ₀ *	30	mA
Tj	125	°C
Tstg	-55 to +125	°C
	V _R I _o * Tj	V _R 3 I _o * 30 Tj 125

Note: Per one device



HSM276SR

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse voltage	V _R	3.0	_	_	V	$I_{R} = 1 \text{mA}$
Reverse current	I _R	—	—	50	μΑ	V _R = 0.5V
Forward current	I _F	35	—	—	mA	$V_F = 0.5V$
Capacitance	С	_		0.90	pF	$V_{R} = 0.5V, f = 1MHz$
Capacitance deviation	ΔC	—	—	0.10	pF	V _R = 0.5V, f = 1MHz
ESD Capability	—	30	_	_	V	* ² C = 200pF, Both forward and reverse direction 1 pulse

Electrical Characteristics $(Ta = 25^{\circ}C)^{*1}$

Notes: 1. Per one device

2. Failure Criterrion; $I_{_R} \geq 100 \mu A$ at $V_{_R} = 0.5 V$

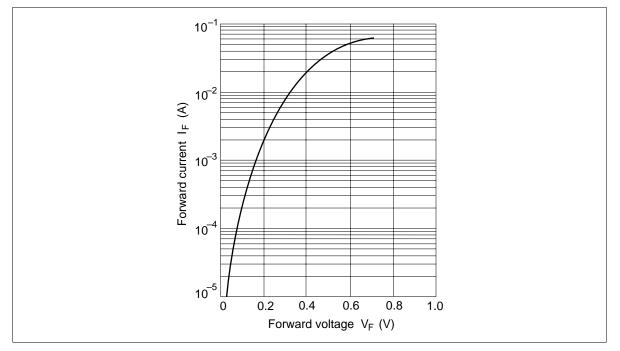


Fig.1 Forward current Vs. Forward voltage

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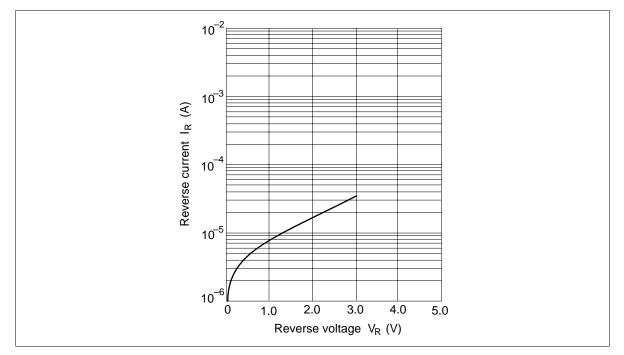


Fig.2 Reverse current Vs. Reverse voltage

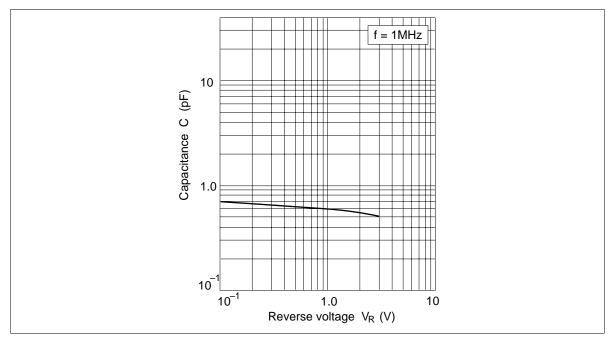
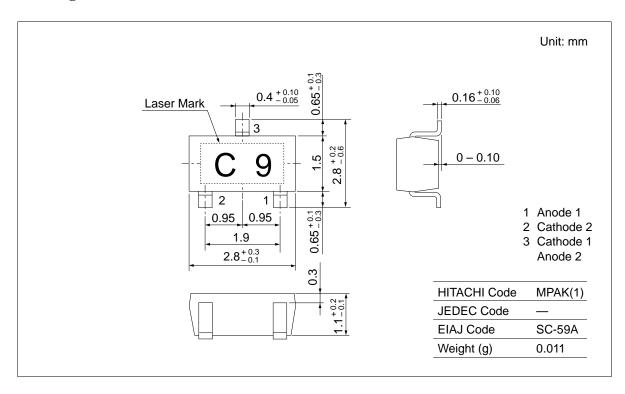


Fig.3 Capacitance Vs. Reverse voltage

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Package Dimensions



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